

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S112	54	516/8.1.ccls.	US-PGPUB; USPAT	ADJ	ON	2009/12/03 09:07
S118	0	immiscible same liquid same distribut\$3 same tubesheet	US-PGPUB; USPAT	ADJ	ON	2009/12/03 09:10
S117	2	immiscible same liquid same distribut\$3 same tube same sheet	US-PGPUB; USPAT	ADJ	ON	2009/12/03 09:10
S116	894	immiscible same liquid same distribut\$3	US-PGPUB; USPAT	ADJ	ON	2009/12/03 09:10
S120	15	immiscible with liquid with distribut \$3 same tub\$4	US-PGPUB; USPAT	ADJ	ON	2009/12/03 09:12
S119	316	immiscible with liquid with distribut \$3	US-PGPUB; USPAT	ADJ	ON	2009/12/03 09:12
S121	40	("2385200" "2657121" "2898292" "3388968" "3431083" "3560167" "3592612" "3607000" "3696152" "3766088" "3767706" "3894084" "3900516" "3901943").PN. OR ("3929421" "4067902").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/03 10:44
S122	1	DE "2212816"	EPO; JPO; DERWENT	ADJ	ON	2009/12/03 11:02
S123	1	"3849232".pn.	US-PGPUB; USPAT	ADJ	ON	2009/12/03 11:04

S124	31	("0470060" "0491659" "2758061" "3132064" "3412778" "3437124").PN. OR ("3849232"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/03 11:05
S125	6	immiscible same liquid same distribut\$3 same weir	US-PGPUB; USPAT	ADJ	ON	2009/12/03 11:07
S126	3	immiscible same liquid same distribut\$3 same trough	US-PGPUB; USPAT	ADJ	ON	2009/12/03 11:12
S127	22	("2347757" "2836405" "3222040" "3316064" "3346246" "3496996").PN. OR ("3782703"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/03 11:14
S129	68	immiscible same liquid same weir	US-PGPUB; USPAT	ADJ	ON	2009/12/03 11:25
S130	32	("2153507" "2248220" "2460019" "2564970" "2665196" "2710790" "2794711" "2813918" "2895809" "3053521" "3231251" "3364988").PN. OR ("3632315"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/03 11:28
S131	12	liquid liquid contact \$3 same weir	US-PGPUB; USPAT	ADJ	ON	2009/12/03 12:03
S133	17	immiscible and liquid and trough	EPO; JPO; DERWENT	ADJ	ON	2009/12/03 12:05
S132	42	immiscible and liquid and weir	EPO; JPO; DERWENT	ADJ	ON	2009/12/03 12:05

S135	24	heat exchange\$3 same distribut\$3 (tray or plate) same (weir or trough)	US-PGPUB; USPAT	ADJ	ON	2009/12/03 14:30
S134	17	heat exchange\$3 same distribut\$3 (tray or plate) same weir	US-PGPUB; USPAT	ADJ	ON	2009/12/03 14:30
S136	6	heat exchange\$3 and distribut\$3 (tray or plate) and (weir or trough)	EPO; JPO; DERWENT	ADJ	ON	2009/12/03 14:31
S137	124	distribut\$3 (tray or plate) and (weir or trough)	EPO; JPO; DERWENT	ADJ	ON	2009/12/03 14:32
S139	486	B01D1/06	EPO; JPO; DERWENT	ADJ	ON	2009/12/03 14:34
S138	1685	B01D1/22	EPO; JPO; DERWENT	ADJ	ON	2009/12/03 14:34
S141	16	B01D1/06 and (weir or trough)	EPO; JPO; DERWENT	ADJ	ON	2009/12/03 14:35
S140	40	B01D1/22 and (weir or trough)	EPO; JPO; DERWENT	ADJ	ON	2009/12/03 14:35
S142	380	366/340.ccls.	US-PGPUB; USPAT	ADJ	ON	2009/12/03 15:02
S143	32	("3556736" "3697416" "3705016" "4235847" "4669890" "4836989" "4960571").PN. OR ("5152967"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/03 15:05
S144	13	("3598541" "4118337" "4834343" "5002671" "5152967" "5462719" "5554346" "5935413" "6123830").PN. OR ("6669915"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/03 15:06
S145	600	422/197.ccls.	US-PGPUB; USPAT	ADJ	ON	2009/12/03 15:10

S146	1564	137/1,263.ccls.	US-PGPUB; USPAT	ADJ	ON	2009/12/03 15:28
S147	54	516/8.1.ccls.	US-PGPUB; USPAT	ADJ	ON	2009/12/03 15:54
S148	11	("4094734" "4774372" "4810327" "4873384" "4932468" "5004043" "5423952" "5849148" "5904807" "7112262" "7182840").PN.	US-PGPUB; USPAT	ADJ	ON	2009/12/03 15:58
S149	44	("1522366" "1557838" "1631162" "3016067" "3132064" "3370635" "3412778" "3437124" "3502140" "4133377" "4199537" "4248296" "4469169" "4567942" "4788020").PN. OR ("4932468" "5004043").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/03 16:00
S150	31	("1003912" "3069863" "3595297" "3724523" "3849232" "3880702" "3970512" "4054485" "4383887" "4415407" "4545853" "4762592" "4810327" "4813155" "5004043").PN. OR ("5246541"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/03 16:01

S152	4828	tube same (sleeve or insert) same (sheet or tubesheet)	US-PGPUB; USPAT	ADJ	ON	2009/12/07 12:49
S153	176	tube same (sleeve or insert) same (sheet or tubesheet) same distribut\$3	US-PGPUB; USPAT	ADJ	ON	2009/12/07 12:50
S155	1567	137/1,263.ccls.	US-PGPUB; USPAT	ADJ	ON	2009/12/10 10:29
S154	602	422/197.ccls.	US-PGPUB; USPAT	ADJ	ON	2009/12/10 10:29
S158	2	10/619557	US-PGPUB; USPAT	ADJ	ON	2009/12/10 11:38
L3	54	516/8.1.ccls.	US-PGPUB; USPAT	ADJ	ON	2009/12/10 14:30
L4	380	366/340.ccls.	US-PGPUB; USPAT	ADJ	ON	2009/12/10 14:31
L5	295	422/196.ccls.	US-PGPUB; USPAT	ADJ	ON	2009/12/10 14:38
L6	124	585/720.ccls.	US-PGPUB; USPAT	ADJ	ON	2009/12/10 15:26

EAST Search History (I nterference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S151	4	porscha, peter.in.	US-PGPUB; USPAT; UPAD	ADJ	ON	2009/12/03 15:55
L8	4	porscha, peter.in.	US-PGPUB; USPAT; UPAD	ADJ	ON	2009/12/10 15:29
L9	0	(liquid and distribut\$3 and tub \$4 and (tubesheet or tube sheet) and weir and sleeve and tray). clm.	USPAT; UPAD	ADJ	ON	2009/12/10 15:32
L10	0	(uniformly distribut \$3 and tub\$4 and separat\$3 and bundle and mixed).clm.	USPAT; UPAD	ADJ	ON	2009/12/10 15:33

12/ 10/ 2009 3:35:11 PM

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